



6AB5/6N5

# ELECTRON-RAY TUBE

INDICATOR TYPE WITH TRIODE UNIT

6AB5



Heater <sup>■</sup>	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Overall Length	3-13/16" to 4-3/16"	
Maximum Seated Height	3-9/16"	
Maximum Diameter	1-3/16"	
Bulb	T-9	
Base	Small 6-Pin	
Pin 1 - Heater		Pin 4 - Target
Pin 2 - Plate		Pin 5 - Cathode
Pin 3 - Grid		Pin 6 - Heater
Mounting Position		Any
	BOTTOM VIEW (6R)	

## MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

Plate-Supply Voltage			180 max. volts
Target Voltage			{ 180 max. volts 100 min. volts
Typical Operation:			
Plate and Target Supply	135	135	volts
Series Triode-Plate Resistor <sup>□</sup>	0.25	1.0	megohm
Target Current † <sup>Δ</sup>	2	1.9	ma.
Triode-Plate Current <sup>Δ</sup>	0.5	0.13	ma.
Triode-Grid Voltage (approx.)			
For shadow angle of 0°	-10	-15.5	volts
For shadow angle of 90°	0	0	volts

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- Designated as R in circuit diagram under Type 6E5.
- † Subject to wide variations.
- Δ For triode-grid bias of 0 volts.
- ← Indicates a change.

April 15, 1940

RCA RADIOTRON DIVISION  
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DATA

6AB5

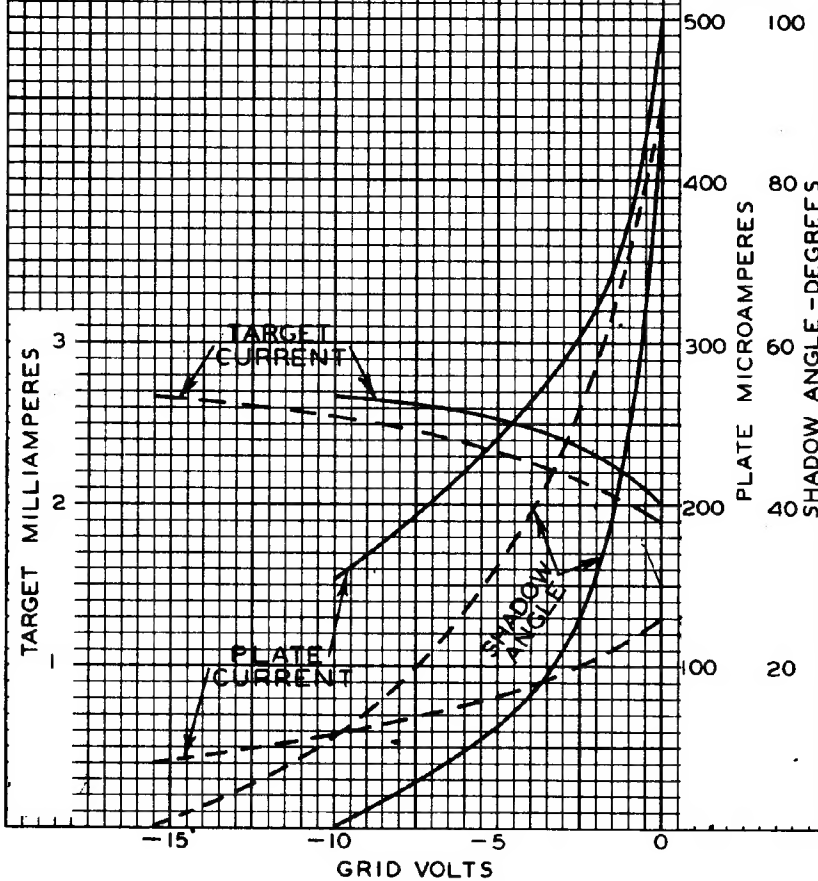
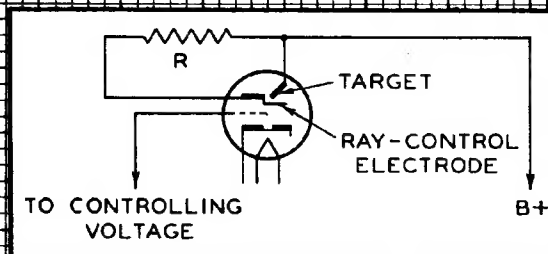


6AB5

## AVERAGE CONTROL CHARACTERISTICS

 $E_f = 6.3$  VOLTS

CURVE	PLATE-SUPPLY VOLTS (B+)	SERIES PLATE RESISTOR (R) - MEG.
—	135	0.25
- - -	135	1.0



MAY 7, 1940

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